



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Coke Drum 1A Steam Vent
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

60,000 bbls/day nominal Delayed Coker charge rate

or horsepower

or kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content Weight percent
<input type="checkbox"/> Residual oil	Sulfur content Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content Weight percent	Coal ash content Weight percent
<input type="checkbox"/> Other (please specify) 	

7. Has a stack test been conducted (check appropriate box)? Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="686,503.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,911.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="275.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.67"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="212.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



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1. Facility identification (i.e., Boiler #1, Unit #1, etc): Coke Drum 1B Steam Vent
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

60,000 bbls/day nominal Delayed Coker charge rate

or horsepower

or kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content Weight percent
<input type="checkbox"/> Residual oil	Sulfur content Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content Weight percent	Coal ash content Weight percent
<input type="checkbox"/> Other (please specify) 	

7. Has a stack test been conducted (check appropriate box)? Yes ✓ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

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Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,901.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="275.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.67"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="212.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



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(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Coke Drum 1C Steam Vent
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

60,000 bbls/day nominal Delayed Coker charge rate

or horsepower

or kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content Weight percent
<input type="checkbox"/> Residual oil	Sulfur content Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal <input type="checkbox"/> Lignite Coal
Coal sulfur content Weight percent	Coal ash content Weight percent
<input type="checkbox"/> Other (please specify)	

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

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X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="686,503.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,891.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="275.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.67"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="212.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



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2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

60,000 bbls/day nominal Delayed Coker charge rate

or horsepower

or kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content Weight percent
<input type="checkbox"/> Residual oil	Sulfur content Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal <input type="checkbox"/> Lignite Coal
Coal sulfur content Weight percent	Coal ash content Weight percent
<input type="checkbox"/> Other (please specify)	

7. Has a stack test been conducted (check appropriate box)? Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

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Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,881.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="275.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.67"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="212.00"/>	degrees Fahrenheit		

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1. Facility identification (i.e., Boiler #1, Unit #1, etc): Coke Drum 2A Steam Vent
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

60,000 bbls/day nominal Delayed Coker charge rate

or horsepower

or kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content Weight percent
<input type="checkbox"/> Residual oil	Sulfur content Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal <input type="checkbox"/> Lignite Coal
Coal sulfur content Weight percent	Coal ash content Weight percent
<input type="checkbox"/> Other (please specify)	

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

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Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,871.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="275.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.67"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="212.00"/>	degrees Fahrenheit		

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2. Manufacturer:	to be determined	Manufacture date:	tbd
3. Model number:	to be determined		
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)			

5. Maximum designed operating rate (name plate):	
60,000 bbls/day nominal Delayed Coker charge rate	
or	
or	

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content _____ Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content _____ Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content _____ Weight percent	<input type="checkbox"/>	Lignite Coal
			Coal ash content _____ Weight percent
<input type="checkbox"/>	Other (please specify) _____		

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

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Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,861.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="275.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.67"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="212.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

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3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

60,000 bbls/day nominal Delayed Coker charge rate

or horsepower

or kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content Weight percent
<input type="checkbox"/> Residual oil	Sulfur content Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content Weight percent	Coal ash content Weight percent
<input type="checkbox"/> Other (please specify) 	

7. Has a stack test been conducted (check appropriate box)? Yes ☒ No

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Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="275.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.67"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="212.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



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(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Coke Drum 2D Steam Vent
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

60,000 bbls/day nominal Delayed Coker charge rate

or horsepower

or kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content Weight percent
<input type="checkbox"/> Residual oil	Sulfur content Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content Weight percent	Coal ash content Weight percent
<input type="checkbox"/> Other (please specify) 	

7. Has a stack test been conducted (check appropriate box)? Yes ☒ No

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X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="686,503.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,841.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="275.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="1.67"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="212.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



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This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	Refinery Coker Flare		
2. Manufacturer:	to be determined	Manufacture date:	tbd
3. Model number:	to be determined		
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)			
elevated emergency flare			

5. Maximum designed operating rate (name plate):		* - emergency relief capacity is 1.9 million lbs/hr
	1.0 MMBtu/hr pilot gas flow rate	
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input checked="" type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane	
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content	<input type="checkbox"/>
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content	<input type="checkbox"/>
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal	<input type="checkbox"/>
	Coal sulfur content	<input type="checkbox"/>	Weight percent	<input type="checkbox"/>
		<input type="checkbox"/>	Coal ash content	<input type="checkbox"/>
<input type="checkbox"/>	Other (please specify)			

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

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X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="687,404.77"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,845.16"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="300.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="4.00"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="1,983.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



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1. Facility identification (i.e., Boiler #1, Unit #1, etc):	Refinery HP Flare 1A		
2. Manufacturer:	to be determined	Manufacture date:	tbd
3. Model number:	to be determined		
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)			
elevated emergency flare			

5. Maximum designed operating rate (name plate):		* - emergency relief capacity is 1.2 million lbs/hr
or	1.0 MMBtu/hr pilot gas flow rate	
or		
		horsepower
		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input checked="" type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane	
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content	<input type="checkbox"/>
				Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content	<input type="checkbox"/>
				Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal	<input type="checkbox"/>
				Lignite Coal
	Coal sulfur content	<input type="checkbox"/>	Weight percent	<input type="checkbox"/>
			Coal ash content	<input type="checkbox"/>
				Weight percent
<input type="checkbox"/>	Other (please specify) 			

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

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Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="687,557.17"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,742,735.17"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="200.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="5.00"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="1,983.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



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This form is to be submitted, if necessary, along with
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(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	Refinery HP Flare 1B		
2. Manufacturer:	to be determined	Manufacture date:	tbd
3. Model number:	to be determined		
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)			
elevated emergency flare			

5. Maximum designed operating rate (name plate):		* - emergency relief capacity is 1.2 million lbs/hr
or	1.0 MMBtu/hr pilot gas flow rate	
or		
		horsepower
		kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input checked="" type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content	<input type="checkbox"/>	Lignite Coal
		<input type="checkbox"/>	Coal ash content
		<input type="checkbox"/>	Weight percent
<input type="checkbox"/>	Other (please specify) _____		

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Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="200.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="5.00"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="1,983.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	Refinery LP Flare 2A		
2. Manufacturer:	to be determined	Manufacture date:	tbd
3. Model number:	to be determined		
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)			
elevated emergency flare			

5. Maximum designed operating rate (name plate):		* - emergency relief capacity is 2.9 million lbs/hr	
	1.0 MMBtu/hr pilot gas flow rate		
or			horsepower
or			kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input checked="" type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane		
<input type="checkbox"/>	Distillate oil	Sulfur content		Weight percent	
<input type="checkbox"/>	Residual oil	Sulfur content		Weight percent	
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal	<input type="checkbox"/>	Lignite Coal
	Coal sulfur content		Weight percent	Coal ash content	
<input type="checkbox"/>	Other (please specify)				

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="687,404.77"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,742,735.17"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="300.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="5.00"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="1,983.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	Refinery LP Flare 2B		
2. Manufacturer:	to be determined	Manufacture date:	tbd
3. Model number:	to be determined		
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)			
elevated emergency flare			

5. Maximum designed operating rate (name plate):		* - emergency relief capacity is 2.9 million lbs/hr	
	1.0 MMBtu/hr pilot gas flow rate		
or			horsepower
or			kilowatts

6. Check the appropriate box(es) for primary and secondary fuels:

<input checked="" type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane	
<input type="checkbox"/>	Distillate oil	Sulfur content		Weight percent
<input type="checkbox"/>	Residual oil	Sulfur content		Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal	<input type="checkbox"/>
	Coal sulfur content		Weight percent	Coal ash content
				Weight percent
<input type="checkbox"/>	Other (please specify) 			

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="687,404.77"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,742,290.16"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="300.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="5.00"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="1,983.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Gasification System
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

oxygen-blown, slagging gasifiers with shift conversion reactors

5. Maximum designed operating rate (name plate):

	10,564	million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary raw materials:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane	
<input type="checkbox"/> Distillate oil	Sulfur content 	Weight percent
<input type="checkbox"/> Residual oil	Sulfur content 	Weight percent
<input checked="" type="checkbox"/> Bituminous Coal	<input checked="" type="checkbox"/> Subbituminous Coal	<input type="checkbox"/> Lignite Coal
Coal sulfur content 	Weight percent	Coal ash content Weight percent
<input checked="" type="checkbox"/> Other (please specify) petroleum coke		

7. Has a stack test been conducted (check appropriate box)? Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

gasification system flare

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text"/>	meters
Base Elevation of Stack:	<input type="text"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text"/>	degrees Fahrenheit		

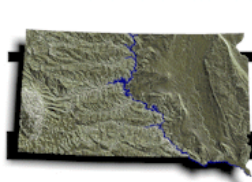
Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second

Gasification system normally does not vent to atmosphere.
During startup and shutdown periods, system exhausts through
gasification system flare. See attached E1640V1 form for
gasification system flare stack data.



South Dakota
 Department of Environment
 & Natural Resources
 Protecting SD's Tomorrow...Today

Air Quality Permit Application Form

Thermal Oxidizer

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits. (please complete shaded areas)

Equipment and processes served by this thermal oxidizer (please list all equipment and processes):

Equipment and Processes

1.	Gasification System
2.	
3.	
4.	

Manufacturer Information:

Manufacturer?	to be determined		
Manufacturer date?	to be determined	Installation date?	to be determined
Manufacturer's designed control efficiency?			%
Maximum heat input?	786.43	million Btus per hour	
Lowest operating temperature?	n/a	Degrees Fahrenheit	
Residence time?	n/a	Seconds	
Type of fuel?	natural gas	Primary	
		Secondary	

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:		feet	or	687,172.69	meters
Y- Coordinate or Northing:		feet	or	4,741,886.00	meters
Base Elevation of Stack:	1,220.00	feet	or		meters
Stack Height:	350.00	feet	or		meters
Exit Stack Diameter	5.00	feet	or		meters
Exit Stack Temperature	1,832.00	degrees Fahrenheit			

Exit Stack Velocity and/or Flow Rate:

Velocity: 508.80 feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Gasifier Startup Burner #1
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

	18	million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary raw materials:

<input checked="" type="checkbox"/>	Natural gas		<input type="checkbox"/>	Propane	
<input type="checkbox"/>	Distillate oil	Sulfur content	<input type="text"/>	Weight percent	
<input type="checkbox"/>	Residual oil	Sulfur content	<input type="text"/>	Weight percent	
<input type="checkbox"/>	Bituminous Coal	<input type="text"/>	Subbituminous Coal	<input type="text"/>	Lignite Coal
	Coal sulfur content	<input type="text"/>	Weight percent	Coal ash content	<input type="text"/>
<input type="checkbox"/>	Other (please specify)				

7. Has a stack test been conducted (check appropriate box)? Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="686,860.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,711.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="200.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="3.50"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="236.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Gasifier Startup Burner #2
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

	18	million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary raw materials:

<input checked="" type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content Weight percent	<input type="checkbox"/>	Lignite Coal
		<input type="checkbox"/>	Coal ash content Weight percent
<input type="checkbox"/>	Other (please specify) 		

7. Has a stack test been conducted (check appropriate box)? Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="686,874.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,711.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="200.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="3.50"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="236.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Gasifier Startup Burner #3
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

	18	million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary raw materials:

<input checked="" type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content Weight percent	<input type="checkbox"/>	Lignite Coal
		<input type="checkbox"/>	Coal ash content Weight percent
<input type="checkbox"/>	Other (please specify) 		

7. Has a stack test been conducted (check appropriate box)? Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="686,888.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,711.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="200.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="3.50"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="236.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	Gasifier Startup Burner #4		
2. Manufacturer:	to be determined	Manufacture date:	tbd
3. Model number:	to be determined		
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)			

5. Maximum designed operating rate (name plate):

18	million Btus per hour heat input
or	horsepower
or	kilowatts

6. Check the appropriate box(es) for primary and secondary raw materials:

<input checked="" type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Residual oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content <input type="text"/> Weight percent	Coal ash content <input type="text"/> Weight percent
<input type="checkbox"/> Other (please specify) 	

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="686,902.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,711.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="200.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="3.50"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="236.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Gasifier Startup Burner #5
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

	18	million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary raw materials:

<input checked="" type="checkbox"/>	Natural gas	<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Residual oil	<input type="checkbox"/>	Sulfur content Weight percent
<input type="checkbox"/>	Bituminous Coal	<input type="checkbox"/>	Subbituminous Coal
	Coal sulfur content Weight percent	<input type="checkbox"/>	Lignite Coal
		<input type="checkbox"/>	Coal ash content Weight percent
<input type="checkbox"/>	Other (please specify) 		

7. Has a stack test been conducted (check appropriate box)? Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="686,916.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,711.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="200.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="3.50"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="236.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Gasifier Startup Burner #6
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

	18	million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary raw materials:

<input checked="" type="checkbox"/>	Natural gas		<input type="checkbox"/>	Propane	
<input type="checkbox"/>	Distillate oil	Sulfur content	<input style="width: 50px;" type="text"/>	Weight percent	
<input type="checkbox"/>	Residual oil	Sulfur content	<input style="width: 50px;" type="text"/>	Weight percent	
<input type="checkbox"/>	Bituminous Coal	<input style="width: 50px;" type="text"/>	Subbituminous Coal	<input style="width: 50px;" type="text"/>	Lignite Coal
	Coal sulfur content	<input style="width: 50px;" type="text"/>	Weight percent	Coal ash content	<input style="width: 50px;" type="text"/>
<input type="checkbox"/>	Other (please specify)				

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="686,930.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,711.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="200.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="3.50"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="236.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Gasifier Startup Burner #7
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

	18	million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary raw materials:

<input checked="" type="checkbox"/>	Natural gas		<input type="checkbox"/>	Propane	
<input type="checkbox"/>	Distillate oil	Sulfur content	<input type="text"/>	Weight percent	
<input type="checkbox"/>	Residual oil	Sulfur content	<input type="text"/>	Weight percent	
<input type="checkbox"/>	Bituminous Coal	<input type="text"/>	Subbituminous Coal	<input type="text"/>	Lignite Coal
	Coal sulfur content	<input type="text"/>	Weight percent	Coal ash content	<input type="text"/>
<input type="checkbox"/>	Other (please specify)				

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="686,944.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,711.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="200.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="3.50"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="236.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Gasifier Startup Burner #8
2. Manufacturer: to be determined Manufacture date: tbd
3. Model number: to be determined
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

5. Maximum designed operating rate (name plate):

	18	million Btus per hour heat input
or		horsepower
or		kilowatts

6. Check the appropriate box(es) for primary and secondary raw materials:

<input checked="" type="checkbox"/>	Natural gas		<input type="checkbox"/>	Propane	
<input type="checkbox"/>	Distillate oil	Sulfur content	<input style="width: 50px;" type="text"/>	Weight percent	
<input type="checkbox"/>	Residual oil	Sulfur content	<input style="width: 50px;" type="text"/>	Weight percent	
<input type="checkbox"/>	Bituminous Coal	<input style="width: 50px;" type="text"/>	Subbituminous Coal	<input style="width: 50px;" type="text"/>	Lignite Coal
	Coal sulfur content	<input style="width: 50px;" type="text"/>	Weight percent	Coal ash content	<input style="width: 50px;" type="text"/>
<input type="checkbox"/>	Other (please specify)				

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="686,846.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,711.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="200.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="3.50"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="236.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second



Air Quality Permit Application Form

Miscellaneous Process

This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	Power Island Acid Gas Removal System		
2. Manufacturer:	to be determined	Manufacture date:	tbd
3. Model number:	to be determined		
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)			
physical absorption			

5. Maximum designed operating rate (name plate):

544 million scf syngas per day	
or	horsepower
or	kilowatts

6. Check the appropriate box(es) for primary and secondary raw materials:

<input type="checkbox"/> Natural gas	<input type="checkbox"/> Propane
<input type="checkbox"/> Distillate oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Residual oil	Sulfur content <input type="text"/> Weight percent
<input type="checkbox"/> Bituminous Coal	<input type="checkbox"/> Subbituminous Coal
<input type="checkbox"/> Lignite Coal	
Coal sulfur content <input type="text"/> Weight percent	Coal ash content <input type="text"/> Weight percent
<input type="checkbox"/> Other (please specify) <input style="width: 500px;" type="text"/>	

7. Has a stack test been conducted (check appropriate box)? ☐ Yes ☒ No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="687,115.00"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,741,757.00"/>	meters
Base Elevation of Stack:	<input type="text" value="1,220.00"/>	feet	<input type="text"/>	meters
Stack Height:	<input type="text" value="200.00"/>	feet	<input type="text"/>	meters
Exit Stack Diameter	<input type="text" value="10.00"/>	feet	<input type="text"/>	meters
Exit Stack Temperature	<input type="text" value="100.00"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second